

**To add users continuously**  
Press manager's add fingerprint [1<sup>st</sup> user fingerprint] [2<sup>nd</sup> user fingerprint] [3<sup>rd</sup> user fingerprint] ... [N<sup>th</sup> User Fingerprint] Manager's add fingerprint  
When add user, the fingerprints ID number will auto add from 3~120.

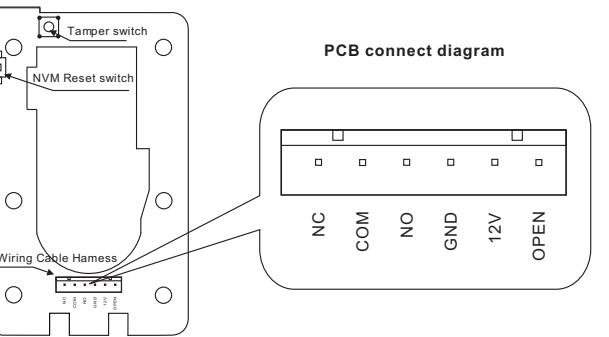
**To delete users**  
Press manager's delete fingerprint [1<sup>st</sup> user fingerprint] [2<sup>nd</sup> user fingerprint] [3<sup>rd</sup> user fingerprint] ... [N<sup>th</sup> User Fingerprint] Manager's delete fingerprint

**3 Delete all fingerprints**  
Press [\*] manager password [#] 20000 [#]  
Note: This will delete all fingerprints, including Manager Fingerprint, before this operation you need make sure the data is not useful.

**4 Setting open door time**  
Press [\*] manager password [#] 4 XX [#]  
Note: Open door time is the lock keeps time. XX is 0-10s, default setting 5s.

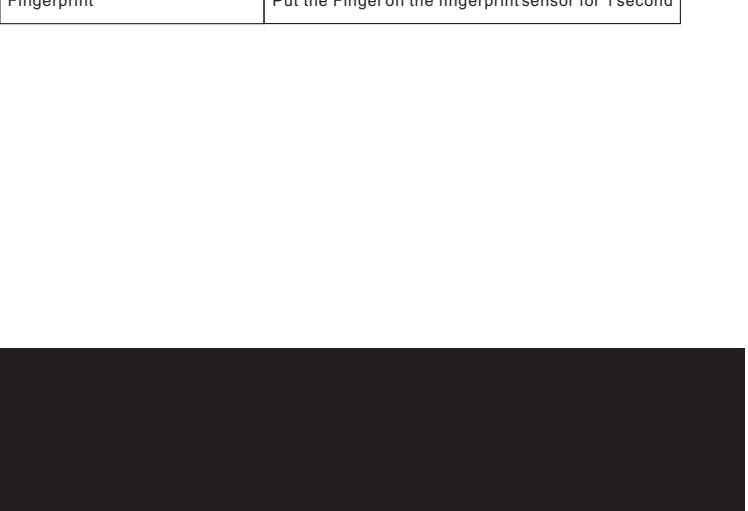
**5 Exit programming mode**  
When you operation over, you can press [\*] exit programming mode. In the programming mode, if you over 1 minute, it will auto exit programming mode.

**6 Manager release alarm**  
When this machine is in stay status if it was be opened, the buzzer will sound consecutive long ring. And it will be keep on 1 minute. While it in the alarm status you can use either of the follow ways release alarm.  
A. Use Infrared remote control keypad, input [alarm release password] [#] (The release password is the same with manager password.)  
B. Use manager fingerprint, press managers' fingerprint, either manager add fingerprint or manager delete fingerprint is ok.



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F007 Simplified Instruction	
Function description	Choose from the relevant functions below and input
Enter the programming mode	*- 9999 -#, then you can do the programming (9999 is the default factory master code)
change the mastercode	0 - new code - # - repeat the new code -# (code: 4 digit)
Add user	7 Fingerprint repeat Fingerprint - # (can add Users continuously)
Delete user	8 Fingerprint repeat Fingerprint - # (can delete Users continuously)
Exit from the programming mode	*
How do release the door	
Fingerprint	Put the Finger on the fingerprint sensor for 1 second



#### 1.4 删除指纹

按 [2] [ID号] [#] [ID号] [#] ... [ID号] [#] [#]

可以删除1枚或多枚指纹, 以 [#] 结束。

#### 1.5 清空指纹

按 [2] [0000] [#]

注意: 此操作会删除所有指纹, 并且不可恢复, 进行本操作时应该谨慎。

#### 1.6 设置开门时间

按 [4] XX [#]

注意: 开门时间指的是开锁动作维持的时间, XX 为0-10 (输入01和1是等效的, 超过10发出“滴滴”错误音) 单位为秒, 缺省设置为5秒, 当设为0时, 开锁时间为50ms, 用于开阳极锁。

#### 1.7 自动连续增加指纹

按 [7] [用户指纹1] [用户指纹2] ... [用户指纹N] [#]

可以增加1枚或多枚用户指纹, 每枚指纹要输入两次, 以 [#] 结束。

增加用户指纹时, 指纹ID号自动产生, 范围是3-120, 并从小到大自动累加。

#### 1.8 自动连续删除指纹

按 [8] [用户指纹1] [用户指纹2] ... [用户指纹N] [#]

可以删除1枚或多枚用户指纹, 以 [#] 结束。

#### 1.9 退出管理员编程模式

当管理员在设置完成以后, 可以按 [\*] 退出编程模式, 在编程模式下, 如果一分钟没有操作, 也将自动退出编程模式, 要进入编程模式必需重新按 [\*] 管理员密码 [#] 进入。如果按 [\*] 而没有输入正确密码前, 5秒内没有操作, 将自动退出编程模式。

#### 2 管理员指纹操作模式

##### 2.1 增加用户指纹

按 [管理员增加指纹] [用户指纹1] [用户指纹2] ... [用户指纹N] [管理员增加指纹]

可以增加1枚或多枚用户指纹, 每枚指纹要输入两次, 以 [#] 结束。

增加用户指纹时, 指纹ID号自动产生, 范围是3-120, 并从小到大自动累加。

##### 2.2 删除用户指纹

按 [管理员删除指纹] [用户指纹1] [用户指纹2] ... [用户指纹N] [管理员删除指纹]

可以删除1枚或多枚用户指纹, 以 [#] 结束。

##### 3 管理员解除防拆报警

当本机正常工作时被非法拆卸, 蜂鸣器会发出连续的报警声, 持续1分钟自动关闭。在报警期间可以用红外遥控键盘输入管理员密码或用管理员指纹进行解除。操作如下:

用红外遥控键盘, 按 [管理员密码] [#], 密码输入正确, 报警声即停止, 密码输入间隔时间必须小于2秒, 2秒内报警停止, 超过2秒要重新输入密码。

用管理员指纹, 按 [管理员增加指纹] 或按 [管理员删除指纹], 指纹输入正确, 报警声即停止。

#### 4 用户指纹操作模式

在待机状态下, 按 [用户指纹], 指纹正确即可开门。

注意: 在放入手指时, 蓝色灯闪烁才有效, 手指在指纹感应区的角度和位置尽可能接近登记时的角度和位置。

#### 七、恢复出厂设置

按下初始化按钮, 重新通电, 听到蜂鸣器发出“滴滴, 哟-”声时松开按钮, 设置的系统参数将恢复到出厂值, 但用户指纹不会丢失。

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#### Resetting to factory default setting

Turn off the power, press the reset key on the PCB (Item 4), and re-power the device, the F007 will give a beep and is reset to factory default setting.

To revert all settings to the factory default setting, but all of the users' data is safe.

#### Sounds and light status

Operation Status	Led status	Blue led(fingerprint mode)	Buzzer
Resetting	Green	Goes out	Consecutive short ring
Power on	Red led slow flashing	-	Short ring
Sleeping status	Red led slow flashing	Goes out	-
Stay status	Red led slow flashing	Bright	-
Voided key	-	-	Short ring
Enter programme status	Red	Goes out	Short ring
Programme status	Orange	-	-
Input fingerprint instruct	-	Bright	-
Input fingerprint success	Green	-	Long ring
Input fingerprint fail	-	-	Three short ring
Exit programming status	Red led slow flashing	-	Long ring
Open door status	Green	Goes out	Long ring
alarming	Red quickly flashing	Bright	Consecutive long ring

#### Technical Specification

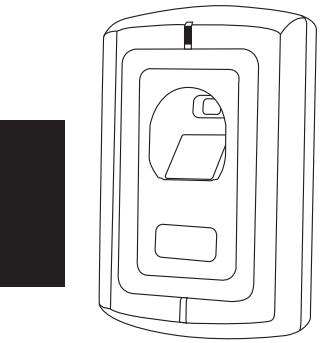
Supply Voltage	12VDC±10%
Sleeping Current	<10mA
Stay Current	<100mA
Door Relay	3A
Temperature	-20°C~60°C
Humidity	20%RH~95%RH
Memory capacity	120
Manager quantity	2
User fingerprint quantity	118
Resolution	450 DPI
Fingerprint input time	<1S
Identification time	<2S
FAR	<0.0001%
FRR	<0.01%
Dimensions	115mm×70mm×35mm
weight	500g

#### Package Listing

Descriptions	Model no.	Quantity	Remark
Fingerprint & DoorAccess machine	F007	1	
Infrared remote control keypad		1	
User Manual	F007	1	
Security Screws	Φ3mm×7.5mm	1	Used for front case and back case(spare)
Screw driver		1	
Self tapping screws	Φ4mm×25mm	4	Used for fixing
Pastern stopper	Φ6mm×25mm	4	Used for fixing

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**F007**  
Fingerprint Access controller



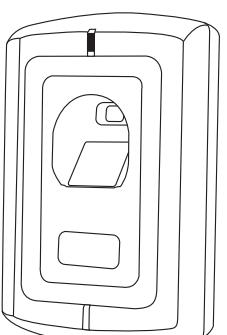
User's manual

#### 八、声光指示

运行状态	指示灯颜色	指纹头	鸣音现象描述	鸣音
初始化	绿色	灭	两次短鸣, 一次长鸣	滴滴, 哟-
上电	红色慢闪	保持原状态	一次长鸣	滴-
休眠状态	红色慢闪	灭	没有响声	-
待机状态	红色慢闪	亮	没有响声	-
有效按键	保持原状态	保持原状态	一次短鸣	滴
进入编程	红色	灭	一次长鸣	滴-
编程状态	橙色	保持原状态	没有响声	-
输入指纹提示	保持原状态	亮	没有响声	-
输入正确	绿色	保持原状态	一次长鸣	滴-
输入错误	保持原状态	保持原状态	三次短鸣	滴滴滴
退出编程	红色慢闪	亮	一次长鸣	滴-
开锁状态	绿色	灭	一次长鸣	滴-
报警状态	红色快闪	亮	连续长鸣	滴-----



**F007**  
指纹门禁一体机



#### 九、技术参数

项目	指标
工作电压	直流: 12V±10%
休眠电流	<10mA
待机电流	<100mA
继电器触点负载能力	3A
环境温度	-20°C~60°C
相对湿度	20%RH~95%RH
指纹存储容量	120枚
管理指纹容量	2枚
用户指纹容量	118枚
采集器分辨率	450 DPI
指纹录入时间	<1S
指纹搜索时间	<2S
认假率	<0.0001%
拒真率	<0.01%
外壳	金属
体积	115mm×70mm×35mm
重量	500g

#### 十、装箱清单

名称	型号	数量	备注
指纹门禁一体机	F007	1台	
红外遥控键盘		1个	
说明书	F007	1本	
安全螺丝	Φ3mm×7.5mm	1个	前盖与后盖的固定(备用)
专用螺丝刀		1把	安全螺丝专用工具
自攻螺丝	Φ4mm×25mm	4个	用于安装固定

## Introduction

F007 use the precise electron circuit and good productive technology, which is the metal structure fingerprint & access machine.

This machine uses the most advanced fingerprint identification technology, very safety. Which is the most ideal choose. It is widely used in business affairs organization, office, factory, housing district etc.

This product's programming is done by the infrared remote control keypad or fingerprint manager. This product maximum can store 120 fingerprints. There are 2 fingerprint managers, and each fingerprint has one ID code.

## Specifications

### Sleeping function

When this machine in stay status, it will auto enter sleep status. This can reduce power dissipation and prolong the machine's use life.

### Manager infrared remote control keypad

Users use infrared remote control keypad, when enter the programming mode they can operate as follow:

Changing manager code, Add fingerprints, Delete fingerprints, Delete all fingerprints, release alarm, Setting open door time, Setting release alarm

### Manager fingerprint operation function

ID number 1: Manager add fingerprint (can't open door, number 1 is used add users; number 2 is used deleted users)  
ID number 2: Manager delete fingerprint ;ID number 3~120: users fingerprint; User fingerprint operation function; ID number 3~120: users fingerprint are used open door.

### Open door button operation function

This button is used to open the door.

### Parma setting function

Open door time: 0~10s, default setting 5s. User can use infrared remote control keypad setting.

### Relay out :

NC and COM: When power off, the lock is opened.  
NO and COM: When power on, the lock is opened.

### Manager release alarm

When this machine is in stay status if it was opened, the buzzer will sound consecutive long ring. And it will be kept for 1 minute.

### Important information

If holes are to be drilled before mounting onto a wall, check for hidden cables and/or pipes before drilling. Use safety goggles when drilling or hammering in cable clips.

Every effort has been made to provide accurate information, however slight variations can occur. We also reserve the right to make changes for product improvement at any time.

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## 一、产品简介:

F007 is a full metal structure fingerprint door lock. It uses precise electronic circuit and good production technology, which is the metal structure fingerprint & access machine.

This product uses international leading fingerprint recognition technology, safe and reliable, is the ideal choice for safety requirements of high places application door lock.

This product配合红外遥控键盘和管理员密码进行指纹管理,操作简单方便。

最多可以存储120枚指纹,其中2枚管理员指纹,118枚用户指纹,每枚指纹分配一个ID号。

## 二、功能简介

### 休眠功能

本机配有人体感应装置,当有人接近时,本机即进入待机状态,人离开30秒后,本机自动进入休眠状态,进入休眠状态可以省电,且能延长使用寿命。

### 管理员遥控操作功能

用红外遥控器操作,输入管理员密码进入编程状态,可进行如下操作:  
修改管理员密码、增加指纹、删除指纹、清空指纹、设置开门时间、解除防拆报警。

### 管理员指纹操作功能

管理员指纹的ID号为1~2,不能用于开锁,其中ID号为1的指纹用于增加用户指纹和解除防拆报警, ID号为2的指纹用于删除用户指纹和解除防拆报警。

### 用户指纹操作功能

用户指纹的ID号为3~120,仅用于开锁。  
开门按钮操作功能  
外接开门按钮,用于开锁。

### 参数设置功能

开门时间: 0~10 秒,出厂时默认设置为5秒,管理员可以通过遥控器设置。

### 驱动电锁功能

NC与COM接线端子控制阴极锁,采用断电开锁方式,应设置开门时间为1~10秒。  
NO与COM接线端子控制阳极锁,采用通电开锁方式,应设置开门时间为0(实际为50ms)。

### 防拆报警功能

当本机正常工作时被非法拆卸,蜂鸣器会发出连续的报警声,持续1分钟自动关闭。

### 重要信息

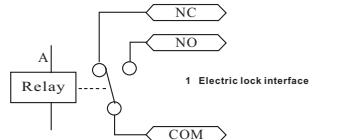
请不要私自修理本机,如有问题,请返回厂家修理。

安装在墙上之前如果要打孔,请仔细检查暗线或线管,在钻孔或固定线夹的时候要使用安全眼镜。

1

## Intramural interface circuit

### Electric lock interface

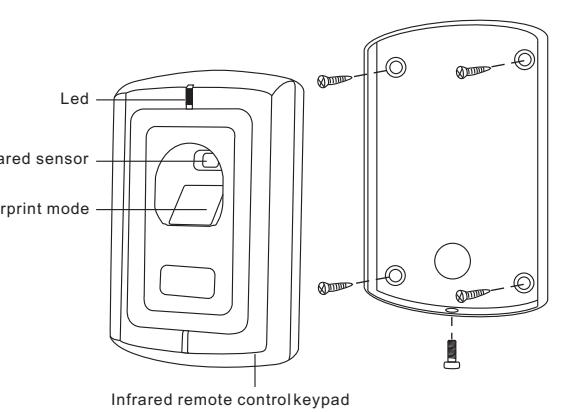


## Install、wiring and fixation

1. Drill 4 holes on the wall
2. Thread the cable through cable hole
3. Wiring
4. When wiring completed, attach the rear plate to the wall firmly with at least three flat head screws
5. Plug the cable harness
6. Attach the front cover to the rear plate

Note: Please don't power on before you connect finish.

## Install diagram

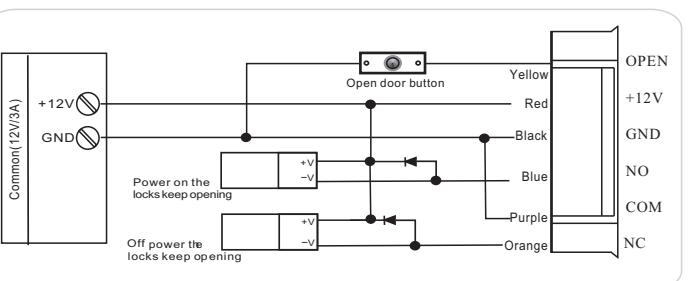


2

## Terminal wire connector function

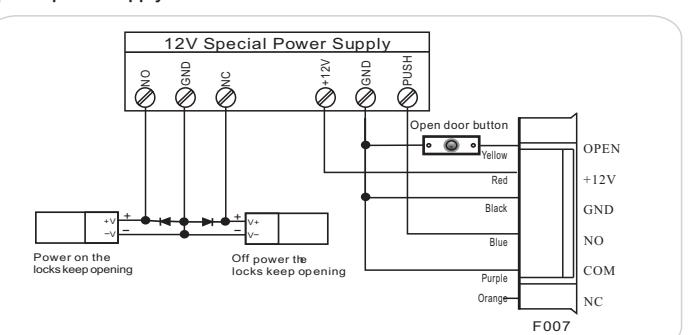
OPEN	Yellow	Open door button
+ 12V	Red	+ 12V power input
GND	Black	Gnd
NO	Blue	Relay output NO
COM	Purple	Relay output COM
NC	Orange	Relay output NC

## Common powers connects diagram



3

## Special power supply



Note: We advise you use special adaptor, it will make your system work more stable.

3

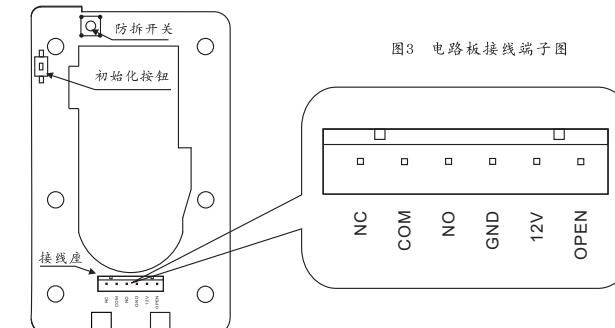
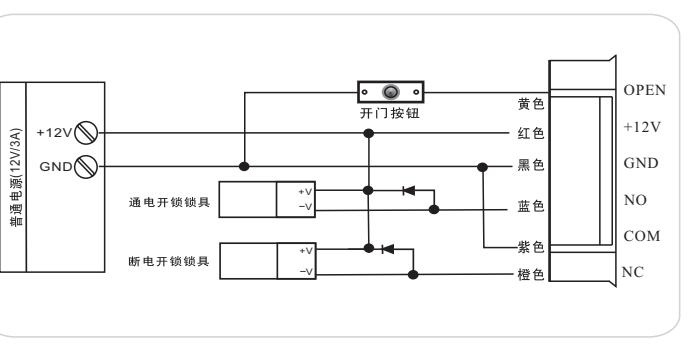


图3 电路板接线端子图

## 接线端子定义说明

OPEN	黄色	出门按钮
+ 12V	红色	+ 12V 电源输入
GND	黑色	地
NO	蓝色	继电器输出NO端
COM	紫色	继电器输出COM端
NC	橙色	继电器输出NC端

## 图4 使用通用电源连接接线图



3

## Power on

When all connections are finished, you can power on. This time the buzzer will give a long ring, and red led flashing. The machine will enter regular work status.

## Operation guide

### 1 Manager mode (using Infrared remote control keypad)

#### 1.1 Enter programming mode

Press [\*] manager password [#]. Manager password: 9999 (factory default setting)

#### 1.2 Changing manager code

In programming mode, Press [0] new password code [#] Repeat new password code [#]. The manager code must be 4 digit number

#### 2 Add and delete Users

There are 3 ways to add and delete user: 1, by keypad; 2, by User ID; 3, by Manager Fingerprint

##### 2.1 By keypad (the most convenient way)

Add User: [\*] manager password [#] [7] input fingerprint twice [#]  
(To add more than one user, just input finger continuously)

Delete User: [\*] manager password [#] [8] input fingerprint twice [#]  
(To delete more than one user, just input finger continuously)

##### 2.2 By User ID

To add one user: [\*] Manager password [#] [1] ID number [#] [User Fingerprint] [#]  
(User ID number can be any digit between 3- 120, but one ID number to one user.)

To add users continuously

\* [Manager password] [#] [1] [3] [#] [1<sup>st</sup> User Fingerprint] [4] [#] [2<sup>nd</sup> User Fingerprint]  
..... [N] [#] [N<sup>th</sup> User Fingerprint] [#]

To delete one user:

\* [Manager password] [#] [2] ID number - [#] - [\*]

To delete users continuously

\* [Manager password] [#] [2] ID number # [ID number] # [ID number] # [ID number] # [#] [#]

##### 2.3 By Manager fingerprints

In programming mode, Press [1] [1] [#] input fingerprint twice [2] [#] input another fingerprint twice [\*]

ID number 1: Manager add fingerprint

ID number 2: Manager delete fingerprint

The first Fingerprint: Manager add Fingerprint, it is to add the user's

The second Fingerprint: Manager delete Fingerprint, it is to delete users

Note: When you add your fingerprint, please put the Fingerprint which you will add on the sensor twice, during which the light shines red then turns green, means the Fingerprint is added successfully.

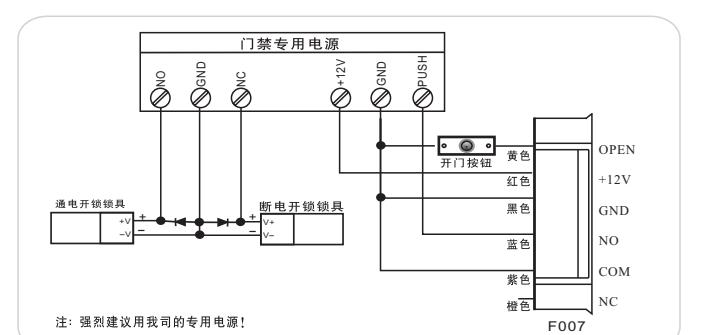
#### To add one user:

Press Manager add Fingerprint [Input User Fingerprint twice] [Repeat Manager add Fingerprint]

Note: input the user's fingerprint twice, during which the light shines red then turns green, means the Fingerprint is added successfully.

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## 图5 使用专用电源连接接线图



注: 强烈建议用我司的专用电源!

建议使用专用电源,使用专用电源将使整个系统工作更稳定。

## 五、通电

所有的接线完成,前面壳安装好,接通12V直流电源,蜂鸣器长鸣一声,红色指示灯闪烁,本机即进入正常工作状态。

## 六、操作说明

### 1 管理员编程模式(用红外遥控键盘操作)

#### 1.1 使用密码进入管理员编程模式

按 [\*] 管理员密码 [#]

管理员密码出厂时设置为9999。

#### 1.2 修改管理员密码

按 [0] 新密码 [#] 重复新密码 [#]

管理员密码为4位任意数字。

#### 1.3 增加指纹

按 [1] ID号 [#] 输入指纹 [ID号 [#] 输入指纹] .... [ID号 [#] 输入指纹] [#]

可以增加1枚或多枚指纹,以 [#] 结束。

ID号为1-3位数,范围是1-120,超出无效。

ID号1为